

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-344691

(43)Date of publication of application : 12.12.2000

(51)Int.CI. C07C 15/28
 C09K 11/06
 H05B 33/14
 H05B 33/22

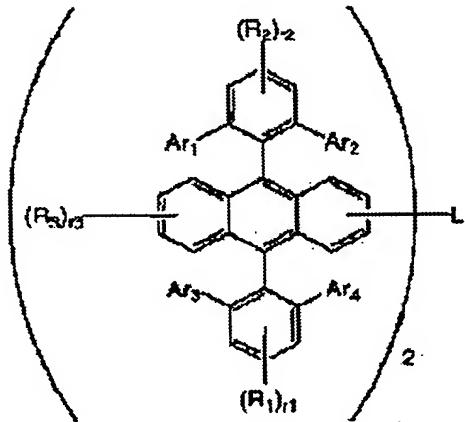
(21)Application number : 11-157105 (71)Applicant : TDK CORP
 (22)Date of filing : 03.06.1999 (72)Inventor : INOUE TETSUJI
 FUJITA TETSUJI
 ARA KENSUKE

(54) COMPOUND FOR ORGANIC ELECTROLUMINESCENT ELEMENT AND ORGANIC ELECTROLUMINESCENT ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a compound useful as an optical and electronic functional material having small physical, photochemical and electrochemical changes, capable of obtaining an organic electroluminescent element having high reliability and luminous efficacy and various luminescent colors.

SOLUTION: This compound is a derivative of phenyl anthracene expressed by formula: A1—L—A2 [A1 and A2 are each a mono (ortho-substituted phenyl) anthryl or di(ortho-substituted phenyl)anthryl; L is a single bond or a divalent bonding group], preferably, a compound expressed by formula (Ar1—Ar4 are each H, aryl, a heterocyclic aryl or the like; R1 and R2 are each an alkyl, aryl, aryl ether or the like; r1 and r2 are each 0 or 1–3; R3 is an alkyl or aryl; r3 is 0 or 1–3; L1 is a single bond, arylene or the like). The abovementioned compound is obtained by coupling, etc., a halogenated aryl anthracene compound with Ni (cod)2 (cod is 1,5-cyclooctadiene).



LEGAL STATUS

[Date of request for examination] 18.12.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]